PROCEEDINGS OF THE

ROYAL ENTOMOLOGICAL SOCIETY

OF LONDON

SERIES C. JOURNAL OF MEETINGS

VOLUME 14. No. 1, 1949

ORDINARY MEETING

WEDNESDAY, 2ND FEBRUARY, 1949, at 5.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the Annual Meeting held on 19th January, 1949.
2. Announcement of Vice-Presidents for 1949.
3. Recommendations of candidates for Fellowship.
4. Announcement of election of new Fellows.
5. Additions to the Library.

Presented.

Pierce, G. W. *The songs of insects.* 8vo. Cambridge, Mass. 1948. [The Publishers.]

Purchased.

Day, C. D. *British Tachinid Flies.* 8vo. Arbroath. 1948.

Viette, P. *Faune de France. No.* 49. *Lépidoptères homoneures.* 8vo. Paris. 1948.

In addition separates have been presented by Mr. G. H. E. Hopkins, the Council for Scientific and Industrial Research, Australia, the Smithsonian Institution, Mr. A. H. Strickland, the Royal Society, the U.S. Department of Agriculture, the American Entomological Society, Dr. Eugen Wehrli, Dr. Malcolm Burr, M. H. Cleu, and Mr. W. J. Le Quesne.

6. Exhibits.

Fellows are particularly requested to bring suitable exhibits to the Meeting even though it may not be possible to announce their intention to do so beforehand.

Note.—To avoid congestion in the Library and to enable exhibits to be displayed to greater advantage, a table has been placed in the meeting room for this purpose. Fellows are asked to place their exhibits on this table, with a suitable explanatory note, as soon as possible on the afternoon of the meeting, so that they are available for inspection there before the meeting opens.

7. Admission of Fellows.
8. Communications.

1. **Mr. J. F. Gates Clarke.**

The Meyrick Collection of Microlepidoptera.

[ABSTRACT]

A discussion of this important private collection, methods used by the owner, sources of material, arrangement and the influence of Meyrick's work on the study of this group. All will be illustrated by examples of the collection, catalogues, labels, concept of species, etc. A brief discussion of the work in hand will also be given.

2. **Dr. O. W. Richards.**

The significance of the number of wing-hooks in bees and wasps.

[ABSTRACT]

The wing-hooks or hamuli on the hind wings of Hymenoptera hold the pair on each side together in flight. Alpator, Rayment and Schwarz have shown that there is some reason to believe that the number of the hooks is related to the distance which the insects have to fly in their nesting activities. It now appears that, in social species, queens which found colonies by themselves have more hooks than the corresponding workers, whereas queens which found colonies with the aid of a swarm have fewer hooks. There appears to be some process by which the reduction of size in workers leads to less reduction in hook number than might be expected.

TEA will be served in the Library before the meeting.

A card index of Fellows' addresses arranged **on a geographical basis** is now available for the use of Fellows in the Society's Rooms. Addresses in Great Britain are grouped under counties: elsewhere under Dominions, Colonies, Foreign States, etc.

ADMISSION OF FELLOWS

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-laws and attends the meeting on 2nd February, 1949, is requested to inform the Secretary before 5.15 p.m. on that date.

JOINT MEETING WITH THE FOOD GROUP OF THE SOCIETY OF CHEMICAL INDUSTRY

WEDNESDAY, 23RD FEBRUARY, 1949, AT 6.0 P.M.

in the Library of the Royal Sanitary Institute,

90, Buckingham Palace Road, S.W.1.

AGENDA

Dr. C. G. Butler.

Some observations on the sense physiology and behaviour of the honey bee.

Mr. Price Jones.

The origin, composition and properties of honey.

A general invitation to attend this meeting and to take part in the subsequent discussion is extended by the Society of Chemical Industry to all Fellows of the Society.

The Food Group of the Society of Chemical Industry have intimated that they will be pleased to welcome lady guests of Fellows, as they feel sure that the subject is one which will be of interest to them.

PROCEEDINGS OF THE ANNUAL MEETING HELD ON 19TH JANUARY, 1949.

Dr. C. B. Williams, M.A., President, in the Chair.

Present, 77 Fellows and 7 Visitors.

The minutes of the Ordinary Meeting held on 1st December, and of the Joint Meeting with the Linnean Society held on 9th December, 1948, were confirmed and signed by the President.

The names of the following candidates for election were read : For the first time : A. E. M. Ali, J. F. Burton, G. H. Caswell, K. U. Clarke, Lt.-Commander A. Latif, R.P.N.V.R., M.Sc., Miss M. Maryon, W. A. Page, and M. A. H. Qadri.

For the second time : N. M. Bailey, G. A. Brett, B.Sc., A.R.C.S., D.I.C., Miss D. M. Evans, R. C. B. Hartland-Rowe, L. N. Kidd, J. A. MacArthur, E. J. Popham, D.Sc., Ph.D., A.R.C.S., F. S. Tivey, and G. H. Youden.

The Secretary read the names of the following newly elected Fellows of the Society : R. G. Davies, Imperial College of Science and Technology, Prince Consort Road, London, S.W.7 ; Mahumed Hussein Bey, Locust Research Section, Ministry of Agriculture, Dokki, Cairo, Egypt ; Mrs. J. Kenton, 24, Grove Avenue, Harpenden, Herts ; C. C. V. Meeser, Pasteur Institute and Public Health Laboratory, P.O. Box 1183, Salisbury, S. Rhodesia ; G. Popov, Desert Locust Survey, P.O. Box 338, Nairobi, Kenya ; Denis Smith, 95, Elm Road, Leigh-on-Sea, Essex ; Chao-Seng Tsi, Hawthorndale Laboratories, Jealott's Hill Research

Station, Bracknell, Berks ; E. F. Whiteside, East African Tsetse and Trypanosomiasis Research Organisation, Shinyanga, Tanganyika Territory.

Thanks were voted to donors of gifts to the Library since the last meeting.

Mr. E. W. Aubrook, Mr. W. Bunting, Dr. W. A. L. David, Mr. A. E. Gardner, Dr. A. R. Hill, Mr. H. Last, Dr. M. S. Quraishi, Mr. C. S. Tsi and Mr. G. C. Warrick signed the Obligation Book and were admitted Fellows of the Society.

The President announced that the Fellows nominated as Officers and Council for the ensuing year had been duly elected.

The Secretary read the Report of the Council, which was adopted on the motion of Mr. G. Stoughton-Harris, seconded by Mr. R. W. Lloyd.

The Treasurer read his Annual Report and submitted the accounts for the year ended 31st December, 1948, both of which were adopted on the motion of Dr. W. J. Hall, seconded by Mr. C. N. Hawkins.

The President then read his Address, after which a vote of thanks to him on the completion of two years of office, coupled with a request that he would permit his address to be printed in the *Proceedings*, was proposed by Dr. V. B. Wigglesworth, F.R.S., and carried unanimously. In acknowledging the thanks of the meeting, the President granted this request.

N. D. RILEY, *Honorary Secretary.*

The next meeting will be held on 2nd March at 5.30 p.m.

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